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an expander positioned within the holder tube and slidable with respect to the holder  
 to a position at which the expander is positioned within the anastomosis device  
 and radially expands the anastomosis device.

41. (Amended) The system of claim 38, wherein the handle includes two cam grooves, and  
 the holder tube and the expander each have a follower member engaged in one of the cam  
 grooves to move the holder tube and the expander with respect to one another upon activation  
 of a trigger of the handle.

60. (Amended) A tool for deploying an anastomosis device, comprising:

- a first member configured to hold the anastomosis device;
- a second member, said first member and said second member slidable relative to  
 another, wherein relative motion of said first member and said second member  
 causes deformation of the anastomosis device; and
- a handle connected to at least one of said first member and said second member,  
 wherein rotation of said handle about an axis causes said first member and said  
 second member to slide relative to one another.

72. (Amended) An anastomosis system, comprising:

- a anastomosis device deployable from a first configuration to a second configuration,  
 wherein said second configuration includes at least one flange;
- a first member configured to hold said anastomosis device;
- a second member; said first member and said second member slidable relative to one  
 another, wherein motion of at least part of said first member deploys at least  
 one said flange of said anastomosis device; and

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a handle connected to at least one of said first member and said second member,  
wherein rotation of said handle about an axis causes said first member and said  
second member to slide relative to one another.

Please add the following new claim:

D5 33. 23. 84. (New) The tool of claim 60, wherein said deformation includes substantially radial  
expansion of at least a portion of said anastomosis device.